JSP. Існує кілька варіантів розгортання інфраструктури CRM-систем. Однією з форм функціонування CRM-систем є форма оренди із забезпеченням супутніх послуг, таких як резервування даних та забезпечення гарячого відновлення.

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A MULTICORE COMPUTER SYSTEM FOR PERFORMING PARALLEL CALCULATIONS

Gorbachov V., Harajli H.
Kharkiv National University of Radio Electronics, Kharkiv, Ukraine

Modern parallel computer systems have a different structural organization [1]. The emergence of multicore processors creates the basis for the massive use of parallel processing due to the use of powerful multicore processors in PCs. Multi-core processors are characterized by the organization of cache memory, the number of cores, and the core communication system. The basis of a parallel program for PC_S is a process (thread). A program that is represented through threads can be executed on multiple processors (cores). Flow programming is carried out using special software tools provided by parallel programming languages and libraries.

The work is related with multicore parallel computer systems. Analyze of hardware and software of modern multicore parallel computer systems is presented.

Mathematical model of process behavior in multicore parallel computer systems is development. Model provides to describe processes and process interaction. Use model allows to reduce the time of program development and to improve the quality parallel program for multicore parallel computer systems.

In this work, the primary focus was on parallel computing. A portable application for performing matrix operations was developed during the work. Parallelization helped increase the speed of the program. Dart was chosen as the programming language, offering capabilities for building cross-platform applications and parallelizing tasks using isolates and asynchronous operations. Through the experiments, it was found that this approach is not universal and shows the highest efficiency only for tasks that meet specific requirements. Dart-based parallelization lags behind OpenMP, but the ability to run the application and perform computations on almost any device is a notable advantage. Dart has been rapidly developing and gaining popularity in recent years, so it is likely that more efficient parallelization tools will emerge over time, further improving the performance of programs.

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